

Heating up and cooling down

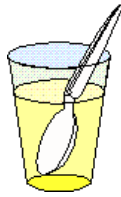
This task is about heat conduction.

- a) John filled four glasses with hot water from the tap. He placed a different type of stirrer in each one. He left the stirrers in the water for two minutes, then he touched the top of each stirrer.



Metal spoon

A



Plastic spoon

B



Wooden ice-block stick

C



Waxed paper straw

D

- i) Which one felt the hottest?

A

B

C

D

- ii) Explain why the stirrer you chose felt the hottest.

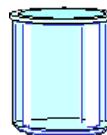
- b) Sally made some hot soup and placed equal amounts in each of four different containers. She left these on the kitchen table.



A



B



C



D

- i) Which soup would show the greatest temperature decrease after 10 minutes?

A

B

C

D

- ii) Explain why the soup in the container you chose would cool more quickly.